



**Summary of  
Notifiable Diseases  
Missouri  
1999**

**Missouri Department of Health**

# **Summary of Notifiable Diseases Missouri 1999**

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**Section of Communicable Disease Control and  
Veterinary Public Health**

june, 2000

## Selected Diseases By District, Missouri 1999

### Number of Cases

District	Animal Rabies	Campylobacteriosis	Cryptosporidiosis	E. coli O157:H7	Ehrlichiosis	Giardiasis	H1B Disease	Hepatitis A	Hepatitis B	Hepatitis C (Acute)	Hepatitis C (Non-Acute)	Influenza (Lab Confirmed)	Legionellosis	Listeria monocytogenes	Lyme disease	Malaria	Meningococcal Disease	Pertussis	Rocky Mountain Spotted Fever	Salmonellosis	Shigellosis	Tuberculosis Disease*	Tularemia	Yersinia enterocolitica	Total Diseases By District**
Central District	1	80	6	11	16	108	1	30	14	3	355	255	1	4	14	6	6	20	1	131	49	13	7	0	1131
Eastern District	9	168	5	13	12	410	6	267	113	3	720	1536	11	8	5	3	51	8	6	227	372	84	1	9	4038
Northeastern District	0	25	0	0	1	57	0	4	3	0	84	93	0	0	2	1	2	4	0	26	13	2	2	0	319
Northwestern District	2	120	1	10	2	112	5	127	37	19	734	73	4	1	5	2	19	34	2	146	96	53	1	3	1606
Southeastern District	13	69	2	5	22	36	0	96	10	2	187	134	2	1	31	1	3	5	2	96	6	24	2	0	736
Southwestern District	6	106	12	8	2	84	2	188	50	3	358	245	4	2	15	1	12	4	5	129	184	26	6	0	1446
Unknown	0	1	0	0	1	0	0	0	0	3	3	1	0	0	0	0	1		0	3	1	6*	0	0	20
State Total	31	569	26	47	56	807	14	712	227	33	2441	2337	22	16	72	14	94	75	16	758	721	208	19	12	9296

### Rate per 100,000 By District, Missouri 1999

District	Animal Rabies	Campylobacteriosis	Cryptosporidiosis	E. coli O157:H7	Ehrlichiosis	Giardiasis	H1B Disease	Hepatitis A	Hepatitis B	Hepatitis C (Acute)	Hepatitis C (Non-Acute)	Influenza (Lab Confirmed)	Legionellosis	Listeria monocytogenes	Lyme disease	Malaria	Meningococcal Meningitis	Pertussis	Rocky Mountain Spotted Fever	Salmonellosis	Shigellosis	Tuberculosis Disease*	Tularemia	Yersinia enterocolitica	Total Diseases By District	Population
Central District	n/a	11.65	0.87	1.60	2.33	15.73	0.15	4.37	2.04	0.44	51.70	37.13	0.15	0.58	2.04	0.87	0.87	2.91	0.15	19.08	7.14	1.89	1.02	0.00	164.70	686,705
Eastern District	n/a	8.85	0.26	0.69	0.63	21.60	0.32	14.07	5.95	0.16	37.94	80.94	0.58	0.42	0.26	0.16	2.69	0.42	0.32	11.96	19.60	4.43	0.05	0.47	212.77	1,897,803
Northeastern District	n/a	10.04	0.00	0.00	0.40	22.89	0.00	1.61	1.20	0.00	33.73	37.35	0.00	0.00	0.80	0.40	0.80	1.61	0.00	10.44	5.22	0.80	0.80	0.00	128.10	249,017
Northwestern District	n/a	9.29	0.08	0.77	0.15	8.67	0.39	9.84	2.87	1.47	56.84	5.65	0.31	0.08	0.39	0.15	1.47	2.63	0.15	11.31	7.43	4.10	0.08	0.23	124.37	1,291,288
Southeastern District	n/a	12.60	0.37	0.91	4.02	6.57	0.00	17.53	1.83	0.37	34.15	24.47	0.37	0.18	5.66	0.18	0.55	0.91	0.37	17.53	1.10	4.38	0.37	0.00	134.40	547,624
Southwestern District	n/a	13.84	1.57	1.04	0.26	10.96	0.26	24.54	6.53	0.39	46.73	31.98	0.52	0.26	1.96	0.13	1.57	0.52	0.65	16.84	24.02	3.39	0.78	0.00	188.74	766,122
Statewide Rate	n/a	10.46	0.48	0.86	1.03	14.84	0.26	13.09	4.17	0.61	44.88	42.97	0.40	0.29	1.32	0.26	1.73	1.38	0.29	13.94	13.26	3.82	0.35	0.22	170.93	5,438,559

Rates are based on Missouri Population Estimates, 1998, Center for Health Information Management and Epidemiology

Low frequency diseases (less than 10 per year) can be found on pages 9-10 of this report.

\*Institutionalized cases (6).

\*\*Total does not include animal rabies

## Selected Diseases By Age Group, Missouri 1999

Diseases	Counts By Age																Total
	Under 1	1	2	3	4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 34	35 to 44	45 to 54	55 to 64	65+	Unknown	Total	
Campylobacteriosis	33	23	22	15	6	38	24	26	42	73	81	77	39	58	12	569	
Cryptosporidiosis	1	2	1	2	2	4	0	3	0	2	3	4	1	1	0	26	
E. coli O157:H7	1	5	2	3	2	7	4	3	7	4	2	6	1	0	0	47	
Ehrlichiosis	1	0	0	0	0	0	0	1	1	8	5	9	14	15	2	56	
Giardiasis	15	65	58	35	23	106	48	42	42	123	133	56	32	24	5	807	
HIB Disease	0	0	0	0	1	0	0	1	1	1	1	0	3	6	0	14	
Hepatitis A	2	7	5	8	5	27	12	44	97	203	143	85	34	31	9	712	
Hepatitis B	4	0	0	0	0	1	2	5	23	58	62	33	13	12	14	227	
Hepatitis C (Acute)	0	0	0	0	0	0	0	1	1	6	15	5	2	3	0	33	
Hepatitis C (Non-Acute)	27	0	0	2	0	4	1	23	62	382	933	580	134	134	159	2441	
Influenza (Lab Confirmed)	222	129	79	49	36	102	97	117	149	236	200	191	177	483	70	2337	
Legionellosis	1	0	0	0	0	0	0	1	0	1	7	2	2	7	1	22	
Listeria monocytogenes	0	0	0	0	0	0	0	0	0	0	0	3	3	10	0	16	
Lyme disease	0	0	0	0	0	6	4	4	2	9	15	12	5	13	2	72	
Malaria	0	0	1	0	0	1	1	1	1	5	2	0	1	1	0	14	
Meningococcal Disease	15	2	3	5	4	7	7	11	8	5	8	1	3	15	0	94	
Pertussis	55	4	2	1	0	5	2	0	1	4	0	1	0	0	0	75	
Rocky Mountain Spotted Fever	0	0	0	0	0	1	0	0	2	3	1	4	3	2	0	16	
Salmonellosis	81	41	44	25	9	64	43	39	21	80	70	64	62	83	32	758	
Shigellosis	14	26	46	40	38	214	51	26	32	94	51	31	14	11	33	721	
Tuberculosis Disease*	0	0	0	0	9	5	4	1	6	29	37	26	20	71	0	208	
Tularemia	0	0	0	0	0	2	2	0	1	3	3	2	2	4	0	19	
Yersinia enterocolitica	8	0	1	0	1	0	1	0	0	0	0	0	0	1	0	12	
*Includes institutional cases (6).																	

## Selected Diseases By Month, Missouri 1999

DISEASE	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Animal Rabies	2	1	3	1	4	3	0	5	6	4	1	1	31
Campylobacteriosis	24	16	43	35	59	78	75	59	54	33	45	48	569
Cryptosporidiosis	3	1	1	0	0	2	5	4	4	2	3	1	26
E. coli O157:H7	0	0	2	3	3	5	6	7	9	2	6	4	47
Ehrlichiosis	0	0	0	0		2	3	12	4	1	6	28	56
Giardiasis	38	29	47	57	40	85	56	74	76	59	93	153	807
HIB Disease	1	0	1	0	0	1	1	1	1	0	4	4	14
Hepatitis A	47	43	33	28	28	38	43	41	59	41	122	189	712
Hepatitis B	14	6	19	14	14	14	9	13	8	24	55	37	227
Hepatitis C (Acute)	0	0	0	1		1	1	2	2	17	8	1	33
Hepatitis C (Non-Acute)	53	107	145	94	99	156	216	217	259	252	380	463	2441
Influenza (Lab-Confirmed)	33	280	416	150	54	2	0	1	2	11	55	1333	2337
Legionellosis	1	1	2	1	3	3	2	2	1	1	1	4	22
Listeria monocytogenes	0	2	1	1	1	2	2	1	0	1	3	2	16
Lyme disease	1	1	3	3	13	8	5	16	8	3	2	9	72
Malaria	2	3	1	1	0	3	1	0	0	2	0	1	14
Meningococcal Disease	8	6	13	14	2	9	4	5	7	7	8	11	94
Pertussis	5	5	1	2	4	10	11	7	12	10	4	4	75
Rocky Mountain Spotted Fever	0	0	0	2	3	1	3	4	1	0	2	0	16
Salmonellosis	22	33	28	60	68	99	99	52	99	63	67	68	758
Shigellosis	45	20	49	31	107	144	53	76	68	24	49	55	721
Tuberculosis Disease*	4	11	24	13	16	14	13	20	16	23	9	45	208
Tularemia	0	0	0	0	0	6	5	1	3	1	1	2	19
Yersinia enterocolitica	4	0	3	0	0	0	1	0	0	0	0	4	12

\*Includes institutionalized cases (6).

Selected Diseases By County,  
Rate per 100,000 Population,  
Missouri 1999

County	Animal Rabies	Campylobacteriosis	Cryptosporidiosis	E. coli O157:H7	Ehrlichiosis	Giardiasis	H1B Disease	Hepatitis A	Hepatitis B	Hepatitis C (Acute)	Hepatitis C (Non-Acute)	Influenza (Lab Confirmed)	Legionellosis	Listeria monocytogenes	Lyme disease	Malaria	Meningococcal Disease	Pertussis	Rocky Mountain Spotted Fever	Salmonellosis	Shigellosis	Tuberculosis Disease**	Tularemia	Yersinia enterocolitica	County Rate***	Population	
ADAIR						12.35		4.12	12.35		8.24	107.06			4.12					4.12						152.35	24,286
ANDREW		6.43										6.43								12.85						25.70	15,562
ATCHISON									14.29																	14.29	6,999
AUDRAIN		12.73	4.24		4.24	12.73					50.91							4.24	4.24	21.21			4.24			118.78	23,573
BARRY		27.17				24.15		12.08	18.12		57.37	9.06			3.02		3.02			15.10		6.04				175.12	33,120
BARTON	1							8.28	8.28		49.68	8.28								24.84						99.35	12,078
BATES		12.68				12.68		6.34			44.39									31.71	6.34					114.14	15,770
BENTON		5.87				17.61	5.87				35.21	17.61					11.74			11.74		5.87				111.50	17,040
BOLLINGER		52.12			26.06			130.29				34.74		8.69	34.74											286.63	11,513
BOONE	1	6.20		0.77	1.55	14.72		2.32	1.55	0.77	59.64	20.91		0.77	2.32	1.55	1.55	0.77		16.27	8.52	1.55				141.75	129,098
BUCHANAN	2	9.78				13.45		1.22			29.35	1.22					3.67	1.22		4.89	68.48	1.22				134.51	81,776
BUTLER		4.93				2.47		2.47	2.47	2.47	39.45	7.40								19.72		7.40				88.76	40,561
CALDWELL		22.63									22.63															45.26	8,838
CALLAWAY		13.36				37.40		13.36	2.67		120.20	37.40		5.34						21.37				8.01		259.10	37,437
CAMDEN		26.51			2.95			8.84	2.95		58.91	23.56			5.89	2.95		2.95		73.63						209.12	33,952
CAPE GIRARDEAU		25.64		1.51	12.06	15.08		18.10	3.02		52.78	76.91	1.51		22.62					19.60		4.52	1.51			254.85	66,314
CARROLL		19.58				9.79					29.36									19.58						78.30	10,217
CARTER																				62.63						62.63	6,387
CASS		3.73				3.73		12.42	1.24		53.40	6.21			1.24		1.24	4.97		13.66	1.24					103.08	80,520
CEDAR		37.84				22.70			7.57		22.70	7.57			7.57					15.13						121.07	13,215
CHARITON						23.20						23.20								11.60		11.60				69.60	8,621
CHRISTIAN		22.45	4.08	2.04		14.29		12.25	8.16		24.49	46.94	2.04		4.08		2.04		2.04	36.74	36.74	2.04				220.42	48,997
CLARK											13.39				13.39											26.78	7,467
CLAY		5.68		0.57		8.51		3.97	1.14		40.29	8.51	0.57			0.57	1.14	1.70		10.78	1.14			0.57		85.13	176,206
CLINTON		5.24				5.24					194.02										10.49					215.00	19,070
COLE		15.87		1.44		20.20					82.24	142.84				4.33		4.33		27.41	2.89	5.77				307.33	69,307
COOPER		12.48		18.72		24.95					43.67	12.48		6.24			6.24			6.24						131.01	16,029
CRAWFORD		4.51			13.53	9.02					18.05	4.51			4.51					4.51						58.65	22,165
DADE		12.67		12.67		12.67		12.67			25.34	50.68		12.67						12.67		12.67				164.72	7,892
DALLAS		6.56									45.92	19.68			13.12					13.12		6.56				104.95	15,245
DAVIESS											12.75										12.75					25.50	7,842
DE KALB								8.99			197.68									8.99	8.99					224.64	11,129
DENT		14.18				14.18					49.63				7.09											85.09	14,103
DOUGLAS	1										16.10	16.10								8.05						40.25	12,422
DUNKLIN		3.06				3.06		36.70			6.12	6.12								9.17		27.52				91.74	32,700
FRANKLIN		4.36		1.09	1.09	7.63	1.09	4.36	3.27		35.96	25.06					4.36		1.09	8.72	11.99	1.09				111.16	91,763
GASCONADE		6.72				6.72			6.72		20.15	13.43						6.72			6.72					67.16	14,890



Selected Diseases By County,  
Rate per 100,000 Population,  
Missouri 1999

County	Animal Rabies	Campylobacteriosis	Cryptosporidiosis	E. coli O157:H7	Ehrlichiosis	Giardiasis	H1B Disease	Hepatitis A	Hepatitis B	Hepatitis C (Acute)	Hepatitis C (Non-Acute)	Influenza (Lab Confirmed)	Legionellosis	Listeria monocytogenes	Lyme disease	Malaria	Meningococcal Disease	Pertussis	Rocky Mountain Spotted Fever	Salmonellosis	Shigellosis	Tuberculosis Disease**	Tularemia	Yersinia enterocolitica	County Rate***	Population		
GENTRY		28.83		14.41		0.00					28.83														72.07	6,938		
GREENE	5	12.35	3.53	1.32	0.44	11.02		53.36	9.70	0.44	62.18	69.68	1.32			0.44	1.76	0.88	0.44	16.32	16.32	5.73			267.25	226,758		
GRUNDY		9.84				39.37						9.84								9.84			9.84			78.75	10,159	
HARRISON		11.76				23.51																				35.27	8,506	
HENRY		4.71				4.71		9.42	9.42		89.49				9.42					4.71	9.42		4.71	4.71		150.72	21,232	
HICKORY						23.21					23.21	11.60								11.60						69.63	8,617	
HOLT		18.01				54.02					18.01									18.01		18.01				126.04	5,554	
HOWARD			10.27		51.33	20.53					20.53	30.80			10.27					10.27	10.27					164.25	9,741	
HOWELL	3	16.77	2.80			2.80		5.59			61.49	19.57						2.80	2.80	8.39	2.80	5.59	2.80			134.17	35,776	
IRON			9.20			18.40					9.20	27.60								27.60						91.99	10,871	
JACKSON*		13.56		1.89	0.63	8.20	0.63	14.50	2.84	0.95	125.78	6.62		0.32	0.95		1.58	7.88		14.82	3.47	2.21	0.32			207.11	317,221	
JASPER		11.05	1.00			3.01	1.00	14.07	5.02	1.00	33.16	6.03	2.01		1.00				1.00	10.05	104.49	2.01	1.00			196.92	99,532	
JEFFERSON		5.62		0.51		16.86	0.51	10.73	4.09		42.42	57.24	0.51				0.51	1.02	1.02	13.80	3.58	1.53				159.96	195,675	
JOHNSON		8.40				14.69		2.10	2.10		50.37	4.20							2.10	4.20						88.15	47,644	
KANSAS CITY		8.61		0.23		9.06	0.68	11.78	4.98	3.62	16.53	5.44	0.23		0.23	0.23	1.36		0.23	10.87	4.76	9.51		0.45		88.77	441,574	
KNOX								22.96				22.96															45.92	4,355
LACLEDE		19.34				12.89		16.11			6.45	19.34					6.45			35.45		6.45				122.47	31,029	
LAFAYETTE		6.13						6.13			30.63	3.06					3.06			6.13	3.06	3.06				61.25	32,653	
LAWRENCE		18.11		6.04		18.11		21.13	9.06		6.04	18.11			3.02		3.02			18.11	24.15					144.92	33,122	
LEWIS						39.22						9.80														49.02	10,199	
LINCOLN		5.47		2.74	2.74	13.68		2.74	2.74		38.30	27.36								21.88	5.47		2.74			125.83	36,556	
LINN		14.48				14.48						7.24								36.21						72.42	13,808	
LIVINGSTON		56.53				28.27					42.40	21.20				7.07				7.07						162.53	14,151	
MACON		6.55				13.09					13.09	19.64						6.55								58.91	15,278	
MADISON		17.42									26.13	17.42														60.97	11,481	
MARIES		11.80				23.60					23.60	129.82								23.60			11.80			224.24	8,473	
MARION						68.42					50.41	111.63					3.60			10.80		3.60				248.46	27,771	
MC DONALD		5.03			5.03	5.03		5.03			70.40				5.03			5.03	5.03	5.03	5.03	5.03				120.68	19,887	
MERCER		24.98				24.98																				49.96	4,003	
MILLER		17.84		4.46		8.92		13.38	8.92		40.14	53.52								17.84	4.46					169.48	22,422	
MISSISSIPPI		7.47				7.47					22.40							7.47		22.40		7.47				74.65	13,395	
MONITEAU		45.24				7.54					52.78	37.70			7.54					0.00						150.80	13,263	
MONROE		11.09																		33.26						44.34	9,021	
MONTGOMERY		8.28			8.28	16.56					16.56	16.56			8.28					8.28	57.98	8.28				149.08	12,074	
MORGAN		5.42				5.42	5.42	5.42	5.42		37.97	32.55	5.42		5.42					21.70						130.19	18,434	
NEW MADRID											24.55	4.91					9.82			4.91						44.18	20,370	
NEWTON		8.14				16.28		6.10	2.03		28.48	4.07					6.10			14.24	10.17					95.62	49,152	

Selected Diseases By County,  
Rate per 100,000 Population,  
Missouri 1999

County	Animal Rabies	Campylobacteriosis	Cryptosporidiosis	E. coli O157:H7	Ehrlichiosis	Giardiasis	H1B Disease	Hepatitis A	Hepatitis B	Hepatitis C (Acute)	Hepatitis C (Non-Acute)	Influenza (Lab Confirmed)	Legionellosis	Listeria monocytogenes	Lyme disease	Malaria	Meningococcal Disease	Pertussis	Rocky Mountain Spotted Fever	Salmonellosis	Shigellosis	Tuberculosis Disease**	Tularemia	Yersinia enterocolitica	County Rate***	Population
NODAWAY						4.81		4.81			4.81						4.81			28.88		4.81			52.94	20,777
OREGON		19.68									39.35									39.35					98.39	10,164
OSAGE						8.05					48.29	201.21						16.10		16.10					289.74	12,425
OZARK	5	20.21									70.73									10.10		10.10			111.14	9,897
PEMISCOT		27.89				23.24		13.94	4.65		88.31	9.30				4.65				120.84					292.81	21,516
PERRY		5.74				17.23		5.74				22.98			5.74										57.44	17,410
PETTIS		18.88				26.98		2.70	2.70	2.70	26.98	13.49			2.70			24.28		10.79		5.40			137.58	37,069
PHELPS		5.18		5.18		2.59		10.36	2.59	2.59	57.01	31.09			2.59		2.59			12.96	2.59	5.18	2.59		145.11	38,592
PIKE		12.23				36.70		6.12			146.82	12.23						6.12		18.35					238.58	16,347
PLATTE		2.85	1.43	1.43		2.85		7.14	1.43		15.70	1.43						1.43		1.43					37.11	70,068
POLK		3.92				11.75		7.83		3.92	31.34	35.25								11.75	3.92				109.67	25,530
PULASKI		2.60		5.19	5.19	20.78		5.19	2.60		49.34							2.60		7.79	2.60				103.88	38,507
PUTNAM												122.15						20.36							142.51	4,912
RALLS						11.35					34.04	56.73					11.35								113.47	8,813
RANDOLPH		16.65				24.98		4.16			79.09	12.49						4.16		8.33	20.81		4.16		174.83	24,024
RAY									4.22		42.18	8.44													54.83	23,708
REYNOLDS											15.10	30.19													45.29	6,624
RIPLEY		7.11			21.32				14.21		7.11				21.32										71.06	14,072
SALINE		8.81			4.40	8.81					39.64	8.81								13.21					83.69	22,703
SCHUYLER												22.51													22.51	4,443
SCOTLAND		20.77									41.55	41.55								20.77	145.41				270.05	4,814
SCOTT		4.97			14.90	12.42			2.48		29.80	37.26			14.90					17.39	2.48				136.61	40,262
SHANNON	1										60.59	84.83							12.12			12.12			169.66	8,252
SHELBY		29.40									29.40	14.70													73.51	6,802
ST. CHARLES		10.65	0.37	0.37	0.37	19.09		6.98	0.73	0.37	39.29	45.53	0.37		0.73		5.14		0.73	11.75	23.13	1.10	0.37		167.06	272,353
ST. CLAIR		11.01						99.12	22.03		77.09									22.03					231.28	9,080
ST. FRANCOIS	2	12.61		1.80		9.01		1.80	5.40	1.80	36.03	16.21	1.80		1.80					12.61	7.21				108.08	55,517
ST. LOUIS	6	10.91	0.30	0.90	0.60	15.32	0.30	14.32	5.41	0.10	35.45	84.81	0.40	0.50	0.30	0.30	2.00	0.30	0.10	12.32	18.62	3.60	0.60		207.47	998,696
ST. LOUIS CITY	3	4.42	0.29	0.29	1.18	48.63	0.29	23.58	13.56	0.29	41.85	126.73	1.47	0.88			3.54	0.88		10.90	30.94	12.08		0.88	322.71	339,316
STE. GENEVIEVE		11.43		5.71	5.71						11.43	34.28			5.71			5.71		22.85					102.84	17,503
STODDARD		10.13			3.38			3.38			30.38	23.63					3.38	3.38		3.38					81.02	29,623
STONE		22.38				18.65		7.46			29.84	29.84			3.73			3.73		18.65	7.46		11.19		152.95	26,807
SULLIVAN						14.20					28.41									28.41	14.20				85.23	7,040
TANEY		14.49		2.90		2.90		17.39	2.90		69.56	14.49			5.80					20.29		5.80			156.50	34,504
TEXAS	1	17.89		8.95		8.95		102.88			53.67									22.36					219.17	22,357
VERNON		25.73				10.29		5.15	5.15		72.03				5.15					20.58					144.06	19,436
WARREN		12.20	16.26			24.39		4.07			24.39	12.20						4.07		4.07	89.43				191.06	24,600

Selected Diseases By County,  
Rate per 100,000 Population,  
Missouri 1999

[illegible]

Reportable Diseases of Very Low Incidence, Missouri (less than 10 cases per year)			
Disease	1999	1998	1997
Botulism	2	0	0
Brucellosis	1	3	2
Hepatitis non-A, non-B*	0	1	4
Leptospirosis	0	1	0
Measles	0	1	1
Mumps	1	4	0
Psittacosis	0	0	1
Rubella	2	2	2
Tetanus	1	0	0
Trichinosis	0	0	1
Typhoid Fever	0	4	1
<b>No cases reported for the following diseases (1997-1999)</b> Anthrax                      Hantavirus Cholera                      Plague Diphtheria                    Poliomyelitis Encephalitis			
Other Reported Diseases, Missouri			
Disease	1999	1998	1997
Chickenpox **	5,291	6,362	6,319
Fifth Disease **	658	2,074	626
Pediculosis **	31,549	32,613	26,657
Scabies **	1,054	1,034	1,541
Source: Data from active and passive surveillance systems.			
Reported Outbreaks, Missouri			
	1999	1998	1997
Community Outbreaks	62	37	31
Foodborne	16	15	11
Waterborne	2	4	2
Other	44	18	18
Nosocomial Outbreaks	31	45	33

\* Not Hepatitis A, B or C: includes all other forms of infectious hepatitis.

\*\* - Data not available/incomplete from Eastern District

Reportable Diseases of Very Low Incidence, by County, 1999	Botulism	Brucellosis	Mumps	Rubella	Tetanus
(Only the counties with reported cases are listed.)					
<b>TOTAL</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>1</b>
Dallas					1
Greene		1			
Jasper				2	
Lawrence			1		
Newton	1				
St Louis	1				

# 1999 TB Infection Reported By County (Rate Per 100,000)

County	Population	Reports of Infection	Reporting Rate		County	Population	Reports of Infection	Reporting Rate
Adair	24,286	0	0.0		Maries	8,473	0	0.0
Andrew	15,562	0	0.0		Marion	27,771	4	14.4
Atchison	6,999	0	0.0		Mercer	4,003	0	0.0
Audrain	23,573	17	72.1		Miller	22,422	3	13.4
Barry	33,120	42	126.8		Mississippi	13,395	19	141.8
Barton	12,078	4	33.1		Moniteau	13,263	2	15.1
Bates	15,770	1	6.3		Monroe	9,021	12	133.0
Benton	17,040	10	58.7		Montgomery	12,074	15	124.2
Bollinger	11,500	11	95.7		Morgan	18,434	11	59.7
Boone	129,098	205	158.8		New Madrid	20,370	23	112.9
Buchanan	81,776	38	46.5		Newton	49,152	10	20.3
Butler	40,561	31	76.4		Nodaway	20,777	4	19.3
Caldwell	8,838	1	11.3		Oregon	10,164	11	108.2
Callaway	37,437	22	58.8		Osage	12,425	4	32.2
Camden	33,952	10	29.5		Ozark	9,897	5	50.5
Cape Girardeau	66,314	52	78.4		Pemiscot	21,516	22	102.2
Carroll	10,217	3	29.4		Perry	17,410	13	74.7
Carter	6,387	0	0.0		Pettis	37,069	385	1038.6
Cass (exc. K.C.)	80,520	16	19.9		Phelps	38,592	38	98.5
Cedar	13,215	1	7.6		Pike	16,347	1	6.1
Chariton	8,621	1	11.6		Platte (exc. K.C.)	41,660	23	55.2
Christian	48,997	23	46.9		Polk	25,530	20	78.3
Clark	7,467	0	0.0		Pulaski	38,507	7	18.2
Clay (exc. K.C.)	176,206	82	46.5		Putnam	4,912	2	40.7
Clinton	19,070	3	15.7		Ralls	8,813	1	11.3
Cole	69,307	57	82.2		Randolph	24,024	10	41.6
Cooper	16,029	10	62.4		Ray	23,708	2	8.4
Crawford	22,165	10	45.1		Reynolds	6,624	4	60.4
Dade	7,892	4	50.7		Ripley	14,072	5	35.5
Dallas	15,245	2	13.1		St. Charles	272,353	110	40.4
Daviess	7,842	2	25.5		St. Clair	9,080	0	0.0
DeKalb	11,129	0	0.0		St. Francois	55,517	24	43.2
Dent	14,103	0	0.0		Ste. Genevieve	17,503	12	68.6
Douglas	12,422	2	16.1		Saline	22,703	9	39.6
Dunklin	32,700	35	107.0		Schuyler	4,443	0	0.0
Franklin	91,763	24	26.2		Scotland	4,814	1	20.8
Gasconade	14,890	7	47.0		Scott	40,262	19	47.2
Gentry	6,938	0	0.0		Shannon	8,252	4	48.5
Grundy	10,159	5	49.2		Shelby	6,802	1	14.7
Harrison	8,506	3	35.3		Stoddard	29,623	5	16.9
Henry	21,232	4	18.8		Stone	26,807	4	14.9
Hickory	8,617	7	81.2		Sullivan	7,040	208	2954.5
Holt	5,554	0	0.0		Taney	34,504	27	78.3
Howard	9,741	9	92.4		Unknown		6	n/a
Howell	35,776	15	41.9		Texas	22,357	7	31.3
Iron	10,871	6	55.2		Vernon	19,436	3	15.4
Jackson (exc. K.C.)	307,557	104	33.8		Warren	24,600	6	24.4
Jasper	99,532	40	40.2		Washington	22,966	8	34.8
Jefferson	195,675	42	21.5		Wayne	13,059	12	91.9
Johnson	47,644	110	230.9		Webster	29,108	3	10.3
Knox	4,355	1	23.0		Worth	2,295	0	0.0
Laclede	31,029	11	35.5		Wright	19,578	6	30.6
Lafayette	32,653	10	30.6		Institutionalized	24,978	437	1749.5
Lawrence	33,122	21	63.4		Outstate Missouri	3,389,741	2285	67.4
Lewis	10,199	3	29.4					
Lincoln	36,556	10	27.4		St. Louis City	339,316	1905	561.4
Linn	13,808	7	50.7		St. Louis County	998,696	822	82.3
Livingston	14,151	5	35.3		Kansas City	441,259	749	169.7
McDonald	19,887	9	45.3		Springfield/Greene	226,758	228	100.5
Macon	15,278	0	0.0					
Madison	11,481	6	52.3		Missouri	5,402,000	6426	119.0

**Selected Disease Counts for Missouri,  
1994-1999, By Report Year**

Disease	1994	1995	1996	1997	1998	Total	5 Yr Median	5 Yr Mean	1999	% Chg 5 Yr Median	
Campylobacteriosis	631	601	554	574	535	2895	574	579	569	0.87%	
Cryptosporidiosis	na	31	35	38	29	133	na	na	26	na	
E. coli O157:H7	40	48	74	58	55	275	55	55	47	14.55%	
Ehrlichiosis	15	11	32	20	12	90	15	18	56	273.33%	⬆
Giardiasis	774	761	777	800	790	3902	777	780.4	807	3.86%	⬆
HIB Disease	51	28	8	8	12	107	12	21.4	14	16.67%	⬆
Hepatitis A	619	1338	1414	1151	637	5159	1151	1031.8	712	38.14%	
Hepatitis B	538	437	326	360	252	1913	360	382.6	227	36.94%	
Hepatitis C (Acute)**	na	na	na	6	14	20	na	na	33	na	
Hepatitis C (Non-Acute)	1246	1327	1842	2437	2673	9525	1842	1905	2441	32.52%	⬆
Influenza (Lab Confirmed)	163	491	283	270	1089	2296	283	459.2	2337	725.80%	⬆
Legionellosis	41	19	18	26	18	122	19	24.4	22	15.79%	⬆
Listeria monocytogenes	17	21	8	9	15	70	15	14	16	6.67%	⬆
Lyme Disease	102	53	52	28	12	247	52	49.4	72	38.46%	⬆
Malaria	14	9	11	16	15	65	14	13	14	0.00%	
Meningococcal Disease	78	76	98	106	80	438	80	87.6	94	17.50%	⬆
Pertussis	45	63	74	80	59	321	63	64.2	75	19.05%	⬆
Rocky Mountain Spotted Fever	22	30	19	24	5	100	22	20	16	27.27%	
Salmonellosis	642	577	565	568	632	2984	577	596.8	758	31.37%	⬆
Shigellosis	654	1138	387	222	221	2622	387	524.4	721	86.30%	⬆
Tuberculosis Disease***	260	244	224	248	184	1160	244	232	208	14.75%	
Tularemia	24	25	9	18	12	88	18	17.6	19	5.56%	⬆
Yersinia enterocolitica	40	21	16	30	16	123	21	24.6	12	42.86%	

\*Cryptosporidiosis became reportable in 1995.

\*\*Hepatitis C became reportable in 1997; it was previously included in Hepatitis Non A, Non B.

\*\*\*Includes institutionalized cases.

**Missouri Morbidity and Mortality Reports of Selected Communicable Diseases - 15 Year Report**

	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985
Animal Rabies	31	42	31	26	30	27	35	37	28	30	62	36	59	75	59
Brucellosis	1	3	2	2	0	0	0	0	3	1	2	4	14	4	12
Campylobacter	569	535	574	554	601	631	616	614	602	547	473	441	260	281	304
Chickenpox (active surveillance)	5291	6362	6319	5830	8840	10147	9609	10009	7678	10591	9086	11350	8595	5093	2474
Chlamydia	13355	12655	12257	11952	12084	12244	11625	11907	10643	11151	8151	6239	2944	1532	412
Cryptosporidiosis	26	29	38	35	31	-	-	-	-	-	-	-	-	-	-
E coli O157:H7	47	55	58	74	48	40	35	-	-	-	-	-	-	-	-
Ehrlichiosis	56	12	20	31	11	15	17	21	13	17	13	4	-	-	-
Giardiasis	807	790	800	777	761	774	770	739	790	878	859	654	690	516	458
Gonorrhea	8187	9463	7658	8415	11302	12555	13147	14887	17450	20012	21053	17241	16491	19029	20023
HIB Disease*	14	12	8	8	28	51	135	81	81	145	106	138	131	172	108
Hepatitis A	712	637	1151	1414	1338	619	1443	1500	653	619	810	897	560	126	98
Hepatitis B	227	252	360	326	437	538	585	535	549	633	704	639	460	420	359
Hepatitis C	33	14	6	-	-	-	-	-	-	-	-	-	-	-	-
Non A, Non B**	0	1	4	23	23	32	25	27	31	42	53	50	46	39	42
HIV Disease															
AIDS	438	466	501	845	769	727	1644	657	651	596	478	401	240	91	52
HIV Cases***	411	486	470	536	603	641	677	1360	1299	1228	1030	744	-	-	-
Influenza (confirmed)	2337	1089	270	283	491	163	272	111	462	220	293	148	69	78	61
Legionellosis	22	18	26	18	19	41	33	28	15	34	21	20	22	18	19
Listeriosis	16	15	9	8	21	17	17	16	10	21	21	23	9	-	-
Lyme Disease	72	12	28	52	53	102	108	150	207	205	108	-	-	-	-
Malaria	14	15	16	11	9	14	9	12	9	13	13	6	8	12	5
Meningococcal Disease****	94	80	106	98	76	78	34	32	37	31	21	33	35	40	46
Mumps	1	4	0	10	25	44	46	39	40	62	87	68	38	23	18
Pertussis	75	59	80	74	63	45	144	120	83	116	141	25	46	32	35
RMSF	16	5	24	19	30	22	20	24	25	36	48	54	26	25	10
Rubella	2	2	2	0	0	2	1	1	5	3	4	0	0	1	7
Rubeola (Measles)	0	1	1	3	2	161	1	0	1	103	671	65	190	32	5
Salmonellosis	758	632	568	565	577	642	529	426	616	723	676	772	660	728	690
Shigellosis	721	221	222	387	1138	654	674	742	259	284	411	607	471	89	143
Syphilis, Total	394	384	505	603	1271	1985	2499	1940	926	598	388	473	328	494	578
Primary & Secondary	96	109	118	221	584	987	1354	1167	572	272	162	154	90	110	133
Tetanus	1	0	0	1	3	1	1	1	1	0	4	1	1	2	3
Tuberculosis Disease	208	184	248	224	244	260	256	245	254	312	278	275	339	338	311
Tularemia	19	12	18	9	25	24	17	34	44	33	39	45	58	32	35
Typhoid Fever	0	4	1	2	3	1	2	3	2	4	2	3	7	6	6
Yersinia enterocolitica	12	16	30	16	21	40	26	37	48	32	36	30	10	6	2

\*HIB (Meningitis and Other Invasive - other became reportable in 1990)

\*\*Hepatitis C became reportable in 1997; it was previously included in Non A, Non B

\*\*\* HIV became reportable in October, 1997. 1988 through 1992 numbers include AIDS cases

\*\*\*\*Meningococcal Disease (Meningitis and Other - Other became reportable in 1994)



### Results of Testing for Animal Rabies

January 3, 1999 – January 1, 2000

ANIMAL	EXAMINED	TESTED POSITIVE	PERCENT POSITIVE
Bat	516	15	2.91
Cat	788	2	0.26
Cow	28	1	3.58
Dog	720	0	0.00
Ferret	13	0	0.00
Fox	21	0	0.00
Horse	17	1	5.89
Other Domestic	11	0	0.00
Other Wild	90	0	0.00
Raccoon	285	1	0.35
Rodent/Rabbit	164	0	0.00
Skunk	77	11	14.29
TOTAL	2730	31	1.14

### Counties Under Alert During 1999

County	Months Under Alert
Buchanan	October - December
Douglas	November - December
Greene	January - April, August - December
Howell	June - October
Jefferson	January - March
Ozark	January - October
St Louis City	June - December
St Louis County	June - December

### Incidence of Rabies by Species, 1988 –1998

Animal	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	Total
Bat	14	12	9	8	9	21	28	15	12	22	12	162
Cat	1	3	2	1	1	1	1	0	0	1	2	13
Cow	0	0	2	0	0	1	0	0	1	0	1	5
Dog	2	2	1	1	2	1	2	3	4	1	3	22
Fox	1	0	0	1	0	0	0	0	0	0	0	2
Horse	2	0	0	1	1	1	0	0	1	0	0	6
Other	0	0	0	0	0	0	0	1	1	0	0	2
Raccoon	0	0	0	0	0	0	0	0	0	0	0	0
Skunk	22	14	12	18	14	10	6	9	12	38	18	173
TOTAL	42	31	26	30	27	35	37	28	31	62	36	385